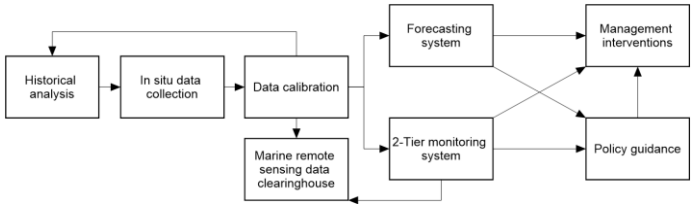
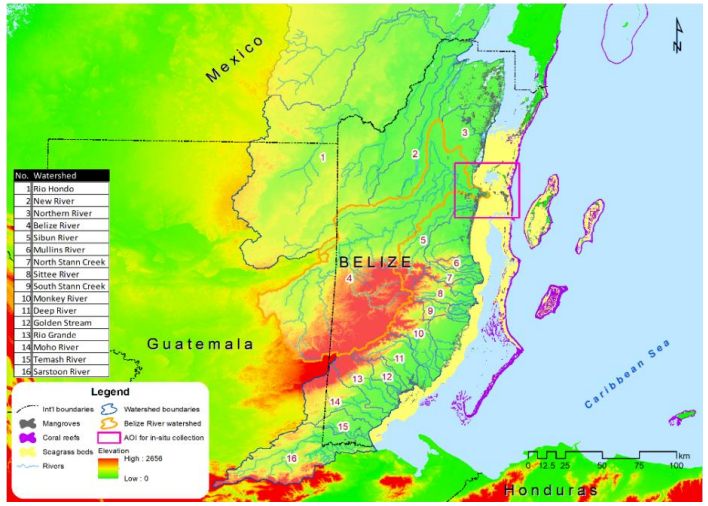
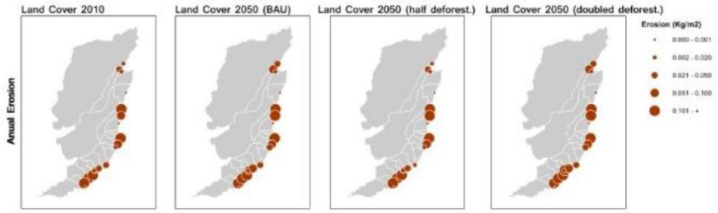
Griffin–Nutrient Flows and the Belize Barrier Reef

Robert Griffin, University of Alabama in Huntsville (UAH)
Emil Cherrington (UAH), Deepak Mishra (UGA), Nicole Auil Gomez (WCS), Christine Lee (JPL)







- **Original Project timeline:** Nov. 2018-Nov. 2021 (3 years)
- **Funding:** NASA Applied Sciences Program SLSCVC Solicitation
- **Overall objective:** Support Belize w/ implementation of SDG 14 (“life below water”), and to lesser extent, SDG 15 (“life on land”)
- **Specific objectives:**
  - i. Utilize NASA, ESA data for assessing land impacts on marine envir.
  - ii. Develop national monitoring + forecasting capabilities for marine pollution
  - iii. Strengthen the CZMAI Coastal Data Center
  - iv. Transfer scientific + technical capacities to GOB entities
  - v. Develop policy recommendations re: meeting SDG 14 targets
- **Geographic focus:** Belize Barrier Reef Lagoon (marine segment), Belize River Watershed (terrestrial segment)
- **Focus areas:** monitoring of sediments, algal blooms across BBR lagoon
- **Local stakeholder organizations:** CZMAI, Dept. of the Environment, Fisheries Dept., National Met. Service, broader GOB
- **Linkages w/ international efforts:**
  - Group on Earth Observations (GEO): GEO Marine Biodiversity Observation Network (MBON), Americas Group on Earth Observations (AmeriGEO)
  - United Nations Sustainable Development Goals (SDGs)